

Fanshawe College

## FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

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Documentation (Approvals etc...)

Computer Programmer Analyst

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2018

### IWD1 CTN2 CTY1 CPA2 HSY2 Curriculum Modification for 2018-19

Fanshawe College

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cae\\_infotech\\_compprogramanalyst\\_documentation](https://first.fanshawec.ca/cae_infotech_compprogramanalyst_documentation)

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# CURRICULUM MODIFICATION REQUEST FORM

## COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

### Program Requiring Changes

|   |  |
|---|--|
| Program Title: Internet Applications and Web Development; Computer Systems Technician; Computer Systems Technology; Computer Programmer Analyst; Health Systems Management  |  |
| Program Number: IWD1; CTN2; CTY1; CPA2; HSY2  | Date Submitted: Click here to enter a date.              |
| Dean responsible for program: Mary Pierce   | Chair: Jim Edwards                                       |
| Credential Provided:<br><input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate<br><input checked="" type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input checked="" type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship |  |
| Program Intakes: <input type="checkbox"/> F <input type="checkbox"/> W <input type="checkbox"/> S   Other:  | Catalogue Year(s) Impacted: 2018/19                      |
| Residency Requirement: <input type="checkbox"/> Met or <input type="checkbox"/> Not Met   | Date of Last Program Review: Click here to enter a date. |

| I have read the reasons for the change and...  |   | Signature and date       |
|--|---|--------------------------|
| Dean of Faculty (Lead program):  | <input checked="" type="checkbox"/> Approve<br><input type="checkbox"/> Do Not Approve    | M. R. Nov 28/18          |
| Dean of Faculty (Affiliate program-impacted by change):  | <input type="checkbox"/> Approve<br><input type="checkbox"/> Do Not Approve               |                          |
| Dean of Faculty (Affiliate program-impacted by change):  | <input type="checkbox"/> Approve<br><input type="checkbox"/> Do Not Approve               |                          |
| Senior Vice President Academic (required for major changes and late DAs):  | <input type="checkbox"/> Approve<br><input type="checkbox"/> Do Not Approve               | [Signature] 11/1/19      |
| Director, Centre for Academic Excellence:  | <input checked="" type="checkbox"/> Supports<br><input type="checkbox"/> Does Not Support | Julie Gidies DEC 15/18   |
| Office of the Registrar:   | <input checked="" type="checkbox"/> Supports<br><input type="checkbox"/> Does Not Support | Amylly Harwood Dec. 5/18 |
| Notes: assume all for 19/20 Catalogue 3 - confirm<br>b no 2018/19, all programs had another CM submitted<br>for 2019/20 that includes the JNAV Course (as well as other changes) |   |                          |

*Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.*

**1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).**

Addition of the Innovation Applications course to multiple programs in order to support the College's Innovation Village initiative.

Students will be invited to register in the INNV course(s) if there is a current project that would be appropriate for them to participate in. Otherwise students will be registered into their respective project course.

**2.0 Reason/Rationale for Changes**

**2.1 The reason for the change is based on:**

- ☐ A recent program review
- ☐ Program Advisory Committee feedback
- ☐ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☐ Trends in the field/industry
- ☒ Other (please describe): Support College initiative

**2.2 Does the change support the College's Strategic Framework (mission, vision, values)?**

- ☒ Yes
- ☐ No (If no, please explain)

**2.3 What strategic goal(s) does the proposed change support?**

- ☒ Goal 1 - Enhance innovative practices for exceptional student learning
- ☐ Goal 2 - Manage enrolment growth
- ☐ Goal 3 - Optimize use of resources
- ☐ Goal 4 - Build sustainable sources of alternative revenue

**3.0 Students**

**3.1 Will the change affect the cost of the program for students?**

- ☐ Yes
- ☒ No

3.2 If yes, there will be an additional cost for:

- ☐ Materials (Include details):
- ☐ Equipment (Include details):
- ☐ Other (Please describe):

#### 4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

- ☒ Yes
- ☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

- ☒ No
- ☐ Yes (If yes, please explain)

*hnp*

#### 5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

- ☒ No
- ☐ Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

- ☐ Lawrence Kinlin School of Business
- ☒ School of Information Technology
- ☐ School of Tourism, Hospitality and Culinary Arts
- ☐ School of Community Studies
- ☐ School of Health Sciences
- ☐ School of Nursing
- ☐ School of Public Safety
- ☐ School of Contemporary Media
- ☐ School of Design
- ☐ School Digital and Performing Arts
- ☐ School of Language and Liberal Studies
- ☐ Donald J. Smith School of Building Technology
- ☐ Norton Wolf School of Aviation Technology
- ☐ School of Applied Sciences and Technology
- ☐ School of Transportation Technology and Apprenticeship
- ☐ Continuing Education
- ☐ Simcoe/Norfolk Regional Campus

- ☐ St Thomas/Elgin Regional Campus
- ☐ Woodstock/Oxford Regional Campus
- ☐ Huron/Bruce Regional Sites

5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?  
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

- ☒ No
- ☐ Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

- ☒ No
- ☐ Yes (If yes, consult with the Co-op office prior to submission)

## 6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

- ☒ No *me*
- ☐ Yes (If yes, please explain)

*myp*

6.2 Will the proposed change impact any of the Enabling areas?

- ☒ No
- ☐ Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

- ☒ No *me*
- ☐ Yes (If yes, please explain)

## 7.0 General College Requirements

7.1 Are changes consistent with Colleges policies?

- ☒ Yes
- ☐ No (If no, please explain)

7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

- ☐ No
- ☒ Yes



|   |  |   |
|---|--|---|
| <b>Local Certificate, Ontario College Certificate and Graduate Certificate</b> - none required) | <b>Diploma</b> - 3 required (minimum of 1 must be an elective) | <b>Advanced Diploma</b> - 4 required (minimum of 2 must be electives) |
|---|--|---|

7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- ☐ No  
☒ Yes

**Note:** In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: \_\_\_\_\_  
ii) Total program hours after proposed change: \_\_\_\_\_  
iii) Level(s) in which the proposed change(s) occurs: \_\_\_\_\_

7.4.1 Are the total program hours consistent with the requirements as listed below?

- ☒ Yes  
☐ No (If no, please explain)

|   |  |
|---|--|
| <b>Local Certificate</b> - 300 hours    | <b>Ontario College Certificate</b> - 600 hours |
| <b>Diploma</b> - 1200 to 1400 hours     | <b>Advanced Diploma</b> - 1800 to 2100 hours   |
| <b>Graduate Certificate</b> - 600 hours |  |

## Degree Audit Report

Catalog: 2018/2019

**Program:** IWD1

**Name:** Internet Applications and Web Development

**Department:** ITY - Information Technology

**Academic Level:** PS

**CCD:** 8 - 4AcadSem/1200-1400hrs

**Credential:** Ontario College Diploma

**Grade Scheme:** LG2

**Major:** IWD1 - Internet Appl & Web Develop.

**Div:** ITY - Information Technology Division

**Co-Op Indicator:** N/A

### Academic Program Requirement

**Total Credits:** 78.00

**Residency Reqmt:** 20.00

**GPA Requirement:** 2.00

**Residency Reqmt GPA:** 2.00

**Minimum Grade:** D

### Academic Requirement: IWD1.18 Internet Applications and Web Development

**Major:** IWD1

**Grade Scheme:** LG2

**Minimum GPA:** 2.00

**Minimum Grade:**

#### Subrequirement: Level 1

Take all of the following Mandatory Courses:

Group 1

|           |                                      | Total<br>Hours | Total<br>Credits | GE |
|-----------|--------------------------------------|----------------|------------------|----|
| BUSI-1156 | Strategies for Success               | 14.00          | 1.00             |    |
| INFO-1219 | Network Fundamentals for Programmers | 45.00          | 3.00             |    |
| INFO-1232 | Programming Fund for Web Development | 90.00          | 6.00             |    |
| INFO-1215 | Database Fundamentals                | 60.00          | 4.00             |    |
| INFO-1233 | Web Server Fundamentals              | 45.00          | 3.00             |    |

Group 2

TAKE WRIT-1043 OR WRIT-1034

|           |                           | Total<br>Hours | Total<br>Credits | GE |
|-----------|---------------------------|----------------|------------------|----|
| WRIT-1043 | Reason & Writing 1 for IT | 45.00          | 3.00             |    |
| WRIT-1034 | Reason & Writing 1-EAP    | 60.00          | 4.00             |    |

#### Subrequirement: Level 2

Take all of the following Mandatory Courses:

|           |                                    | Total<br>Hours | Total<br>Credits | GE |
|-----------|------------------------------------|----------------|------------------|----|
| INFO-1148 | Web Design                         | 60.00          | 4.00             |    |
| INFO-3114 | OOP for Web Development            | 45.00          | 3.00             |    |
| INFO-3091 | ASP.NET Programming                | 60.00          | 4.00             |    |
| INFO-3104 | Relational Databases & SQL         | 45.00          | 3.00             |    |
| MGMT-3052 | Understanding Workplace Behaviours | 45.00          | 3.00             | ** |
| INFO-1167 | Business At the Speed of Light     | 45.00          | 3.00             | ** |

#### Subrequirement: Level 3

Take all of the following Mandatory Courses:

## Degree Audit Report

|           |                                       | Total<br>Hours | Total<br>Credits | GE |
|-----------|---------------------------------------|----------------|------------------|----|
| COMM-3077 | Communications for IT                 | 45.00          | 3.00             |    |
| INFO-1131 | Graphics                              | 45.00          | 3.00             |    |
| INFO-3144 | Applied JavaScript Tools & Frameworks | 45.00          | 3.00             |    |
| INFO-3086 | Web Standards                         | 45.00          | 3.00             |    |
| INFO-3113 | Mobile Web Development                | 45.00          | 3.00             |    |
| INFO-3106 | LAMP 1                                | 75.00          | 5.00             |    |

### Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

|           |                          | Total<br>Hours | Total<br>Credits | GE |
|-----------|--------------------------|----------------|------------------|----|
| INFO-3084 | Security                 | 45.00          | 3.00             |    |
| INFO-3143 | Web Servers 2            | 45.00          | 3.00             |    |
| INFO-5054 | Application Project      | 45.00          | 3.00             |    |
| INFO-5064 | Web Programming with XML | 45.00          | 3.00             |    |
| INFO-5094 | LAMP 2                   | 45.00          | 3.00             |    |

or INFO-1001 Innovation Applications

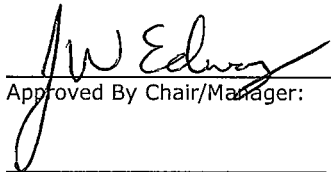
45 3

### Subrequirement: Gen Ed - Electives

Take 3 General Education Credits - Normally taken in Level 4

### Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

  
Approved By Chair/Manager:

IT4 Nov 22/18  
Department and Date:

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:

TJ  
DEC 15/18



## Degree Audit Report

Catalog: 2018/2019

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|  |   |
|--|---|
| <b>Program:</b> CTN2                             | <b>Name:</b> Computer Systems Technician          |
| <b>Department:</b> ITY - Information Technology  |   |
| <b>Academic Level:</b> PS                        |   |
| <b>CCD:</b> 8 - 4AcadSem/1200-1400hrs            |   |
| <b>Credential:</b> Ontario College Diploma       |   |
| <b>Grade Scheme:</b> LG2                         |   |
| <b>Major:</b> CTN2 - Computer Systems Technician | <b>Div:</b> ITY - Information Technology Division |
| <b>Co-Op Indicator:</b> N/A                      |   |

### Academic Program Requirement

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|                              |                                  |
|------------------------------|----------------------------------|
| <b>Total Credits:</b> 82.00  | <b>Residency Reqmt:</b> 21.00    |
| <b>GPA Requirement:</b> 2.00 | <b>Residency Reqmt GPA:</b> 2.00 |
| <b>Minimum Grade:</b> D      |                                  |

### Academic Requirement: CTN2.18 Computer Systems Technician

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**Major:** CTN2  
**Grade Scheme:** LG2  
**Minimum GPA:** 2.00  
**Minimum Grade:**

#### Subrequirement: Level 1

Take all of the following Mandatory Courses:

##### Group 1

|           |   | <b>Total Hours</b> | <b>Total Credits</b> | <b>GE</b> |
|-----------|---|--------------------|----------------------|-----------|
| BUSI-1156 | Strategies for Success                  | 14.00              | 1.00                 |           |
| INFO-1135 | Networking Fundamentals-CCNA            | 75.00              | 5.00                 |           |
| INFO-1167 | Business At the Speed of Light          | 45.00              | 3.00                 | **        |
| INFO-1213 | Applications for Information Technology | 45.00              | 3.00                 |           |
| INFO-1178 | Configuring Windows Client              | 45.00              | 3.00                 |           |

##### Group 2

TAKE WRIT-1043 OR WRIT-1034

|           |                           | <b>Total Hours</b> | <b>Total Credits</b> | <b>GE</b> |
|-----------|---------------------------|--------------------|----------------------|-----------|
| WRIT-1043 | Reason & Writing 1 for IT | 45.00              | 3.00                 |           |
| WRIT-1034 | Reason & Writing 1-EAP    | 60.00              | 4.00                 |           |

#### Subrequirement: Level 2

Take all of the following Mandatory Courses:

|           |  | <b>Total Hours</b> | <b>Total Credits</b> | <b>GE</b> |
|-----------|--|--------------------|----------------------|-----------|
| INFO-3132 | Business Applications Support            | 45.00              | 3.00                 |           |
| INFO-3118 | Routing & Switching Essentials-CCNA      | 75.00              | 5.00                 |           |
| MGMT-3052 | Understanding Workplace Behaviours       | 45.00              | 3.00                 | **        |
| INFO-1180 | Computer Hardware & Data Centre Elements | 45.00              | 3.00                 |           |
| INFO-1179 | Windows Server Fundamentals              | 60.00              | 4.00                 |           |
| INFO-1124 | Computer Security Concepts               | 45.00              | 3.00                 |           |

#### Subrequirement: Level 3

Take all of the following Mandatory Courses:

## Degree Audit Report

|           |                                      | Total<br>Hours | Total<br>Credits | GE |
|-----------|--------------------------------------|----------------|------------------|----|
| INFO-3014 | Database Servers                     | 45.00          | 3.00             |    |
| INFO-3133 | Linux Operating Systems              | 45.00          | 3.00             |    |
| INFO-3119 | Scaling Networks-CCNA                | 75.00          | 5.00             |    |
| COMM-3077 | Communications for IT                | 45.00          | 3.00             |    |
| INFO-3099 | Scripting for Systems Administration | 45.00          | 3.00             |    |
| INFO-3115 | Administering Windows Servers        | 60.00          | 4.00             |    |

**Subrequirement: Level 4**

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

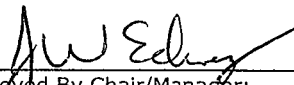
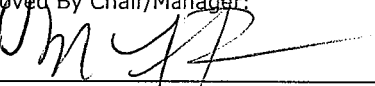
|              |  | Total<br>Hours | Total<br>Credits | GE |
|--------------|--|----------------|------------------|----|
| MGMT-3036    | Professional Development-Career Planning | 45.00          | 3.00             |    |
| INFO-5108    | Windows Servers-Adv                      | 60.00          | 4.00             |    |
| INFO-5111    | Linux Operating Systems-Adv              | 60.00          | 4.00             |    |
| INFO-5109    | WAN Protocols-CCNA                       | 60.00          | 4.00             |    |
| INFO-5110    | Technical Project                        | 60.00          | 4.00             |    |
| or INNV-1001 | Innovations Applications                 | 45             | 3.               |    |

**Subrequirement: Gen Ed - Electives**

Take 3 General Education Credits - Normally taken in Level 4

**Subrequirement: Program Residency**

Students Must Complete a Minimum of 21 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

  
 Approved By Chair/Manager:  
  
 Approved by Dean:

ITT Nov 22/18  
 Department and Date:  
 Nov 27/18  
 Date:

General Education Approved By(as appropriate):

Date:

TG  
 Dec 15/18

## Degree Audit Report

Catalog: 2018/2019

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|  |   |
|--|---|
| <b>Program:</b> CTY1                             | <b>Name:</b> Computer Systems Technology          |
| <b>Department:</b> ITY - Information Technology  |   |
| <b>Academic Level:</b> PS                        |   |
| <b>CCD:</b> 9 - 6AcadSem/1800-2100hrs            |   |
| <b>Credential:</b> Ontario College Advanced Dipl |   |
| <b>Grade Scheme:</b> LG2                         |   |
| <b>Major:</b> CTY1 - Computer Systems Technology | <b>Div:</b> ITY - Information Technology Division |
| <b>Co-Op Indicator:</b> Mandatory Co-op          |   |

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### Academic Program Requirement

|                              |                                  |
|------------------------------|----------------------------------|
| <b>Total Credits:</b> 128.00 | <b>Residency Reqmt:</b> 32.00    |
| <b>GPA Requirement:</b> 2.00 | <b>Residency Reqmt GPA:</b> 2.00 |
| <b>Minimum Grade:</b> D      |                                  |

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### Academic Requirement: CTY1.18 Computer Systems Technology

**Major:** CTY1  
**Grade Scheme:** LG2  
**Minimum GPA:** 2.00  
**Minimum Grade:**

#### Subrequirement: Level 1

Take all of the following Mandatory Courses:

##### Group 1

|           |   | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|---|------------------------|--------------------------|-----------|
| BUSI-1156 | Strategies for Success                  | 14.00                  | 1.00                     |           |
| INFO-1135 | Networking Fundamentals-CCNA            | 75.00                  | 5.00                     |           |
| INFO-1167 | Business At the Speed of Light          | 45.00                  | 3.00                     | **        |
| INFO-1213 | Applications for Information Technology | 45.00                  | 3.00                     |           |
| INFO-1178 | Configuring Windows Client              | 45.00                  | 3.00                     |           |

##### Group 2

TAKE WRIT-1043 OR WRIT-1034

|           |                           | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|---------------------------|------------------------|--------------------------|-----------|
| WRIT-1043 | Reason & Writing 1 for IT | 45.00                  | 3.00                     |           |
| WRIT-1034 | Reason & Writing 1-EAP    | 60.00                  | 4.00                     |           |

#### Subrequirement: Level 2

Take all of the following Mandatory Courses:

|           |  | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|--|------------------------|--------------------------|-----------|
| INFO-3132 | Business Applications Support            | 45.00                  | 3.00                     |           |
| INFO-3118 | Routing & Switching Essentials-CCNA      | 75.00                  | 5.00                     |           |
| MGMT-3052 | Understanding Workplace Behaviours       | 45.00                  | 3.00                     | **        |
| INFO-1180 | Computer Hardware & Data Centre Elements | 45.00                  | 3.00                     |           |
| INFO-1179 | Windows Server Fundamentals              | 60.00                  | 4.00                     |           |
| INFO-1124 | Computer Security Concepts               | 45.00                  | 3.00                     |           |

#### Subrequirement: Level 3

Take all of the following Mandatory Courses:

## Degree Audit Report

|           |  | Total<br>Hours | Total<br>Credits | GE |
|-----------|--|----------------|------------------|----|
| INFO-3133 | Linux Operating Systems                | 45.00          | 3.00             |    |
| INFO-3014 | Database Servers                       | 45.00          | 3.00             |    |
| INFO-3119 | Scaling Networks-CCNA                  | 75.00          | 5.00             |    |
| COMM-3077 | Communications for IT                  | 45.00          | 3.00             |    |
| COOP-1020 | Co-operative Education Employment Prep | 6.00           | 1.00             |    |
| INFO-3099 | Scripting for Systems Administration   | 45.00          | 3.00             |    |
| INFO-3115 | Administering Windows Servers          | 60.00          | 4.00             |    |

### Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

|           |  | Total<br>Hours | Total<br>Credits | GE |
|-----------|--|----------------|------------------|----|
| MGMT-3036 | Professional Development-Career Planning | 45.00          | 3.00             |    |
| INFO-5108 | Windows Servers-Adv                      | 60.00          | 4.00             |    |
| INFO-5111 | Linux Operating Systems-Adv              | 60.00          | 4.00             |    |
| INFO-5109 | WAN Protocols-CCNA                       | 60.00          | 4.00             |    |
| INFO-5110 | Technical Project                        | 60.00          | 4.00             |    |

### Subrequirement: Level 5

Take all of the following Mandatory Courses:

|           |   | Total<br>Hours | Total<br>Credits | GE |
|-----------|---|----------------|------------------|----|
| INFO-3116 | Microsoft Exchange Server               | 45.00          | 3.00             |    |
| INFO-5081 | Advanced Routing-CCNP                   | 60.00          | 4.00             |    |
| INFO-5082 | Multilayer Switching-CCNP               | 60.00          | 4.00             |    |
| INFO-5096 | Managing & Budgeting Technical Projects | 45.00          | 3.00             |    |
| INFO-5091 | Data Management & Storage-Adv           | 60.00          | 4.00             |    |
| INFO-5121 | Enterprise Virtualization Technologies  | 60.00          | 4.00             |    |

### Subrequirement: Level 6

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

|           |                                   | Total<br>Hours | Total<br>Credits | GE |
|-----------|-----------------------------------|----------------|------------------|----|
| INFO-5123 | Firewalls & Network Monitoring    | 45.00          | 3.00             |    |
| INFO-5112 | Cloud Services                    | 60.00          | 4.00             |    |
| INFO-5124 | Voice Over IP                     | 60.00          | 4.00             |    |
| INFO-5105 | Technical Project-Adv             | 90.00          | 6.00             |    |
| INFO-5122 | Integrated Collaborations Systems | 45.00          | 3.00             |    |

or INNV-5001 Innovation Applications

### Subrequirement: Gen Ed - Electives

Take 6 General Education credits - Normally taken in Levels 4 and 6

### Subrequirement: Program Residency

Students Must Complete a Minimum of 32 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved By Chair/Manager:

Approved by Dean:

Department and Date:

Date:

General Education Approved By(as appropriate):

Date:

TAJ  
DEC 15/18



## Degree Audit Report

**Catalog:** 2018/2019

**Program:** CPA2  
**Department:** ITY - Information Technology  
**Academic Level:** PS  
**CCD:** 9 - 6AcadSem/1800-2100hrs  
**Credential:** Ontario College Advanced Dipl

**Name:** Computer Programmer Analyst

**Grade Scheme:** LG2  
**Major:** CPA2 - Computer Programmer Analyst  
**Co-Op Indicator:** Mandatory Co-op

**Div:** ITY - Information Technology Division

### Academic Program Requirement

**Total Credits:** 121.00  
**GPA Requirement:** 2.00  
**Minimum Grade:** D

**Residency Reqmt:** 31.00  
**Residency Reqmt GPA:** 2.00

### Academic Requirement: CPA2.18 Computer Programmer Analyst

**Major:** CPA2  
**Grade Scheme:** LG2  
**Minimum GPA:** 2.00  
**Minimum Grade:**

#### Subrequirement: Level 1

Take all of the following Mandatory Courses:

Group 1

|           |   | Total<br>Hours | Total<br>Credits | GE |
|-----------|---|----------------|------------------|----|
| BUSI-1156 | Strategies for Success                  | 14.00          | 1.00             |    |
| MATH-1202 | Mathematics for Programmers             | 45.00          | 3.00             |    |
| INFO-1214 | Programming Fundamentals                | 90.00          | 6.00             |    |
| INFO-1215 | Database Fundamentals                   | 60.00          | 4.00             |    |
| INFO-1216 | Operating Syst Fundamentals-Programmers | 45.00          | 3.00             |    |

Group 2

TAKE WRIT-1043 OR WRIT-1034

|           |                           | Total<br>Hours | Total<br>Credits | GE |
|-----------|---------------------------|----------------|------------------|----|
| WRIT-1043 | Reason & Writing 1 for IT | 45.00          | 3.00             |    |
| WRIT-1034 | Reason & Writing 1-EAP    | 60.00          | 4.00             |    |

#### Subrequirement: Level 2

Take all of the following Mandatory Courses:

Group 1

|           |                                       | Total<br>Hours | Total<br>Credits | GE |
|-----------|---------------------------------------|----------------|------------------|----|
| INFO-1167 | Business At the Speed of Light        | 45.00          | 3.00             | ** |
| INFO-1217 | Web Design                            | 45.00          | 3.00             |    |
| INFO-3104 | Relational Databases & SQL            | 45.00          | 3.00             |    |
| INFO-3134 | Object Oriented Programming With Java | 60.00          | 4.00             |    |
| INFO-1156 | Object Oriented Programming with C++  | 60.00          | 4.00             |    |
| MGMT-3052 | Understanding Workplace Behaviours    | 45.00          | 3.00             | ** |

Group 2

TAKE INFO-1234 OR INFO-3120



## Degree Audit Report

|           |                                     | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|-------------------------------------|------------------------|--------------------------|-----------|
| INFO-1234 | Web Scripting-Intro                 | 45.00                  | 3.00                     |           |
| INFO-3120 | Programming Commercial Game Engines | 45.00                  | 3.00                     |           |

### Subrequirement: Level 3

Take all of the following Mandatory Courses:

|           |  | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|--|------------------------|--------------------------|-----------|
| INFO-3070 | Client/Server Application Development  | 45.00                  | 3.00                     |           |
| INFO-5052 | Advanced Databases                     | 45.00                  | 3.00                     |           |
| INFO-3140 | Object Oriented Analysis & Modeling    | 45.00                  | 3.00                     |           |
| INFO-3135 | Data Structures & Algorithms           | 45.00                  | 3.00                     |           |
| INFO-1219 | Network Fundamentals for Programmers   | 45.00                  | 3.00                     |           |
| COMM-3077 | Communications for IT                  | 45.00                  | 3.00                     |           |
| COOP-1020 | Co-operative Education Employment Prep | 6.00                   | 1.00                     |           |

### Subrequirement: Level 4

Take all of the following Mandatory Courses:

Group 1

|           |  | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|--|------------------------|--------------------------|-----------|
| INFO-3067 | ASP.NET Programming with C#              | 45.00                  | 3.00                     |           |
| INFO-3137 | Software Design Patterns 1               | 45.00                  | 3.00                     |           |
| INFO-3136 | Mobile Development                       | 45.00                  | 3.00                     |           |
| MGMT-3036 | Professional Development-Career Planning | 45.00                  | 3.00                     |           |
| INFO-3138 | Programming With Declarative Languages   | 45.00                  | 3.00                     |           |

Group 2

Take INFO-3105 or INFO-3111

|           |                            | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|----------------------------|------------------------|--------------------------|-----------|
| INFO-3105 | System Z COBOL Programming | 45.00                  | 3.00                     |           |
| INFO-3111 | C++ Graphics Programming   | 45.00                  | 3.00                     |           |

### Subrequirement: Level 5

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

|           |                                       | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|---------------------------------------|------------------------|--------------------------|-----------|
| INFO-3139 | JavaScript                            | 45.00                  | 3.00                     |           |
| INFO-3112 | Managing Software Projects-Applied 1  | 45.00                  | 3.00                     |           |
| INFO-5060 | Component-based Programming with .NET | 45.00                  | 3.00                     |           |
| INFO-5125 | Software Design Patterns 2            | 45.00                  | 3.00                     |           |
| INFO-5101 | C# Advanced Topics                    | 45.00                  | 3.00                     |           |
| INFO-3141 | Mobile Development-Inter              | 45.00                  | 3.00                     |           |

### Subrequirement: Level 6

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:

Group 1

|           |                                      | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|--------------------------------------|------------------------|--------------------------|-----------|
| INFO-3068 | Secure Computing                     | 45.00                  | 3.00                     |           |
| INFO-5059 | Java EE Client/Server Applications   | 45.00                  | 3.00                     |           |
| INFO-5103 | Managing Software Projects-Applied 2 | 75.00                  | 5.00                     |           |
| INFO-5126 | Mobile Development-Adv               | 45.00                  | 3.00                     |           |

or INNV-5001 Innovation Applications

## Degree Audit Report

Group 2

TAKE INFO-5104 OR INFO-3142

|           |                       | Total<br>Hours | Total<br>Credits | GE |
|-----------|-----------------------|----------------|------------------|----|
| INFO-5104 | C++ Advanced Topics   | 45.00          | 3.00             |    |
| INFO-3142 | Emerging Technologies | 45.00          | 3.00             |    |

**Subrequirement:** Gen Ed - Electives

Take 6 General Education Credits - Normally taken in Levels 5 and 6

**Subrequirement:** Program Residency

Students Must Complete a Minimum of 31 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

  
\_\_\_\_\_  
Approved By Chair/Manager:

ITY Nov 22/18  
\_\_\_\_\_  
Department and Date:

\_\_\_\_\_  
Approved by Dean:

\_\_\_\_\_  
Date:

\_\_\_\_\_  
General Education Approved By(as appropriate):

\_\_\_\_\_  
Date:

TJ  
Dec 15/18

## Degree Audit Report

**Catalog:** 2018/2019

**Program:** HSY2

**Name:** Health Systems Management

**Department:** ITY - Information Technology

**Academic Level:** PS

**CCD:** 7 - 2AcadSem/600-700 hrs

**Credential:** Ontario College Graduate Cert

**Grade Scheme:** LG2

**Major:** HSY2 - Health Systems Management

**Div:** ITY - Information Technology Division

**Co-Op Indicator:** N/A

### Academic Program Requirement

**Total Credits:** 43.00

**Residency Reqmt:** 11.00

**GPA Requirement:** 2.00

**Residency Reqmt GPA:** 2.00

**Minimum Grade:** D

### Academic Requirement: HSY2.18 Health Systems Management

**Major:** HSY2

**Grade Scheme:** LG2

**Minimum GPA:** 2.00

**Minimum Grade:**

### Subrequirement: Level 1

Take all of the following Mandatory Courses:

|           |                               | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|-------------------------------|------------------------|--------------------------|-----------|
| INFO-6057 | Health Systems Management     | 60.00                  | 4.00                     |           |
| INFO-6058 | Health Systems Environments   | 45.00                  | 3.00                     |           |
| INFO-6069 | Health Reporting Tools        | 45.00                  | 3.00                     |           |
| INFO-6060 | The Electronic Patient Record | 60.00                  | 4.00                     |           |
| MGMT-6042 | Organizational Performance    | 45.00                  | 3.00                     |           |
| HLTH-6043 | The Canadian Health System    | 45.00                  | 3.00                     |           |
| ACAD-6002 | Graduate Success Strategies   | 14.00                  | 1.00                     |           |

### Subrequirement: Level 2

Take all of the following Mandatory Courses:

|           |  | <b>Total<br/>Hours</b> | <b>Total<br/>Credits</b> | <b>GE</b> |
|-----------|--|------------------------|--------------------------|-----------|
| INFO-6061 | Health Systems Environments 2          | 45.00                  | 3.00                     |           |
| INFO-6062 | Workflow & Finance System Integrations | 60.00                  | 4.00                     |           |
| MGMT-6084 | Project Management                     | 60.00                  | 4.00                     |           |
| INFO-6063 | Health Reporting                       | 60.00                  | 4.00                     |           |
| LAWS-6035 | Legal & Ethical Issues                 | 45.00                  | 3.00                     |           |
| INFO-6064 | Applied Health Systems Management      | 60.00                  | 4.00                     |           |

↳ or INNU-6001 Innovation Applications.

### Subrequirement: Program Residency

Students Must Complete a Minimum of 11 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

**Degree Audit Report**

Approved By Chair/Manager:

Department and Date:

Approved by Dean:

Date:

General Education Approved By(as appropriate):

Date:

TJ  
Dec 15/18